

CLAIMS

What is claimed is:

1. A method of scanning, comprising:

exposing, an array of photosensors, to light, a first time;
transferring charges, from a block of photosensors in the array of
photosensors, to a charge shift register, wherein the block comprises less
than all the photosensors, and only the charges from the block are
transferred;
exposing, the array of photosensors, to light, a second time;
transferring charges, from the block of photosensors in the array of
photosensors, to the charge shift register, where only the charges from the
block are transferred, so that charges from the block of photosensors, from
more than one exposure, are multiplexed onto the charge shift register.

2. The method of claim 1, the steps of transferring charges further comprising:

transferring charges from a block of contiguous photosensors.

3. The method of claim 1, the steps of transferring charges further comprising:

transferring charges from alternate photosensors within a block of
contiguous photosensors.

4. The method of claim 1, further comprising:

shifting charges, within the charge shift register, at a lower than normal shift
rate.

5. A method of scanning, comprising:

exposing, an array of photosensors, to light, a first time;
transferring charges, from a first block of photosensors in a first array of photosensors, to a charge shift register, wherein the block comprises less than all the photosensors, and only charges from the first block are transferred;
transferring charges, from a second block of photosensors in a second array of photosensors, to the charge shift register, where only the charges from the second block are transferred, so that charges from blocks from more than one array of photosensors are multiplexed onto the charge shift register.

6. The method of claim 5, further comprising:

shifting charges, within the charge shift register, at a lower than normal shift rate.

7. A method of scanning, comprising:

transferring charges, from a block of photosensors in an array of photosensors, to a charge shift register, wherein the block comprises less than all the photosensors, and only the charges from the block are transferred;
repeating the step of transferring charges until the charge shift register is filled with charges only from the block of photosensors.

8. The method of claim 7, further comprising:

shifting charges, within the charge shift register, at a lower than normal shift rate.